



**Patent Application of**

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**For**

**Title: AUTOMATIC BRAKE SYSTEM MODULATOR**

**CROSS REFERENCE TO RELATED APPLICATIONS**

**This application claims the benefit of provisional Patent Application  
Ser. Nr. 60/421.437 filed 2002 Oct. 25**

**BACKGROUND OF THE INVENTION**

This invention relates to two wheel vehicles braking systems, such as a bicycle or motorcycle equipped with two independent operated brakes, one for the front wheel and one for the rear wheel.

Operation of like brake systems such as applying the front brake only with too much pressure can lock up the front wheel and cause forward rollover accident.

This invention is a universal adapter that automatically will time and balance the braking action of each wheel regardless of which brake is activated, front or rear. This timed and balanced transfer of braking force to the rear and front wheels will provide more braking traction and prevent front wheel lock up reducing the risk of a forward rollover accident.

This fail-safe adapter is universal and adaptable to any dual cable operated brake system without modification to the vehicle.

**BRIEF SUMMARY OF THE INVENTION**

The main objective of this invention is to prevent front wheel lockup causing forward rollover reducing the risk of an accident.

Another objective of this invention is to automatically balance the braking force to the wheels to improve wheel traction during braking.